

Vugar Mammadli

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vugarmammadli.com • github.com/vugarmammadli • github.com/vugarkoho

Education

UNIVERSITY OF TORONTO

Honours Bachelor of Science (H.B.Sc.)

Specialist Program in Computer Science and Minor Program in Mathematics

Toronto, Canada

Sept 2014 – May 2018

BILKENT UNIVERSITY

Computer Engineering

Full scholarship from the Bilkent University

Ankara, Turkey

Sept 2013 – May 2014

Experience

KOHO FINANCIAL INC

Software Developer, Backend

Toronto, Canada // remote

Jan 2020 – ongoing

- Designed and implemented the current authentication and authorization system, including a new rules engine for a more flexible introduction of security policies
- Designed and implemented a web gateway that is responsible for accepting requests from KOHO Web, determining if the given user is authorized to make the requests, and routing requests to internal KOHO services
- Implemented a Python bot to automate code migration from internal services to new gateways while refactoring it to new standards
- Rewrote SMS-OTP service and implemented authenticator applications support to enable MFA functionality
- Championed the implementation, rollout, and adaptation of the release flag system, as well as, established best practices for separating shipment and release of code which enable teams to deploy to production multiple times a day
- Took ownership of third-party integrations for feature flag management tool and SMS communication APIs
- Started process of moving from monolith to microservices by deprecating one of the oldest services with more than 20 endpoints in the codebase without downtime
- Implemented generic status check functionality to check the liveness and readiness of the services and their dependencies to unblock usage of probes on Kubernetes clusters
- Investigated and updated one of the endpoints on the main page of KOHO app to reduce response time by %99.4

IBM CANADA

Software Developer

Toronto, Canada

July 2018 – Dec 2018

- Development of new features, product maintenance, and full customer support for Db2 pureScale product
- Identifying technical problems, maintaining, and upgrading existing systems
- Testing and documenting new and existing software programs

Skills

Proficient: GO, Python, Java, SQL / PSQL, Redis, Git / GitHub, NoSQL / MongoDB

Familiar: AWS, Docker, C, C++, JavaScript, Node.js, AngularJS, C#, ASP.NET, Django

Awards

INTERNATIONAL INFOMATRIX OLYMPIADS

Bronze medal in the programming category

Bucharest, Romania

2012

STATE PROGRAM ON EDUCATION OF AZERBAIJANI YOUTH ABROAD IN 2007-2015

Full scholarship to cover all fees during four years at University of Toronto

Toronto, Canada

2014 – 2018

INTERNATIONAL NATIVE LANGUAGE OLYMPIADS

Silver medal in the web programming category

Baku, Azerbaijan

2013